

ABSTRACT OF THE DISCLOSURE

A process for producing an SiO_2 shaped body which is at least partially vitrified, wherein an amorphous, porous SiO_2 green body is sintered or vitrified by contactless heating by means of radiation, while avoiding contamination to the SiO_2 shaped body with foreign atoms, wherein the radiation used is the beam
5 of a laser at a subatmospheric pressure below 1000 mbar.